

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
2 June 2005 (02.06.2005)

PCT

(10) International Publication Number  
**WO 2005/048964 A1**

(51) International Patent Classification<sup>7</sup>: **A61K 7/16** (74) Agent: STILKENBÖHMER, Uwe; Eisenführ, Speiser & Partner, P.O. Box 10 60 78, 28060 Bremen (DE).

(21) International Application Number:  
PCT/EP2003/012648

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date:  
12 November 2003 (12.11.2003)

(84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(25) Filing Language: English

Published:  
— with international search report

(26) Publication Language: English

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(71) Applicant (*for all designated States except US*): SYMRISE GMBH & CO. KG [DE/DE]; Mühlenfeldstr. 1, 37603 Holzminden (DE).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): KINDEL, Günter [DE/DE]; Grabenstr. 1, 37671 Höxter (DE). KRAMMER, Gerhard [DE/DE]; Wagnerstr. 4, 37603 Holzminden (DE). SURBURG, Horst [DE/DE]; Meierberg 9, 37603 Holzminden (DE). LOGES, Hubert [DE/DE]; Weserblick 9, 37671 Höxter (DE). MACHINEK, Arnold [DE/DE]; Elsa-Brandström-Weg 17, 37603 Holzminden (DE).

WO 2005/048964 A1

(54) Title: MIXTURE WITH WINTERGREEN ODOR AND FLAVOR

(57) Abstract: The invention relates to a mixture of compounds having the sensory properties of wintergreen, to fragrance and flavoring compositions containing said mixture and to flavored and perfumed products containing said mixture, to a method of adding a wintergreen flavor, odor or note to (non-wintergreen) flavored or perfumed products. Further the present invention relates to the use of said mixture as an enhancement, or as complete or partial replacement for methyl salicylate, in particular in chewing gum, foods, dentifrices, mouthwashes and other orally consumable products. The mixture comprises or consists of dihydroanethole, o-anisaldehyde, 1,3-dimethoxybenzene, 2'-hydroxyacetophenone, and optionally 2-methoxyacetophenone.